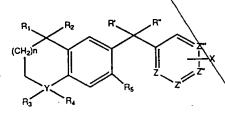
Please amend claim 4 to read as follows:

4. (Amended) A compound having the formula:

$$R_1$$
 R_2
 R_3
 R_4
 R_5
 R_6
 R_6

$$R_1$$
 R_2
 R_3
 R_4
 R_4
 R_5
 R_7
 R_7



Or
$$R^{m} \longrightarrow R^{m}$$

$$(CH_{2})n \longrightarrow R_{3}$$

$$R_{4} \longrightarrow R_{5}$$

$$R_{5} \longrightarrow R_{6}$$

$$Z^{m} \longrightarrow Z$$

or

wherein

 \mbox{R}_{1} and $\mbox{R}_{2},$ each independently, represent hydrogen or lower alkyl or acyl having 1-4 carbon atoms;

Y represents C, O, S, N, CHOH, O, SO, SO₂, or a pharmaceutically acceptable salt;

R₃ represents hydrogen or lower alkyl having 1-4 carbon atoms where Y is C or N;

 R_4 represents hydrogen or lower alkyl having 1-4 carbon atoms where Y is C, but R_4 does not exist if Y is N, and neither R_3 or R_4 exist if Y is S, O, CHOH, CO, SO, or SO_2 ;

15 Ares

and R" represent hydrogen, lower alkyl or acyl having 1-4 carbon atoms, OH, alkoxy having 1-4 carbon atoms, thiol or thio ether, or amino,

or R' or R" taken together form an oxo (keto), methano, thicketo, HO-N=, NC-N=, $(R_7R_8)N-N=$, $R_{17}O-N=$, $R_{17}N=$, epoxy, cyclopropyl, or cycloalkyl group and wherein the epoxy, cyclopropyl, and cycloalkyl groups can be substituted with lower alkyl having 1-4 carbons or halogen;

R'" and R"" represent hydrogen, halogen, lower alkyl or acyl having 1-4 carbon atoms, alkyl $_{\rm X}$ amino,

or R'" and R"" taken together form a cycloalkyl group having 3-10 carbons, and wherein the cycloalkyl group can be substituted with lower alkyl having 1-4 carbons or halogen;

 R_5 represents hydrogen, a lower alkyl having 1-4 carbons, halogen, nitro, OR_7 , SR_7 , NR_7R_8 , or $(CF)_nCF_3$, but R_5 cannot be hydrogen if together R_6 , R_{10} , R_{11} , R_{12} and R_{13} are all hydrogen, Z, Z', Z'', and Z''' are all carbon, and R' and R'' represent H, QH, C_1 - C_4 alkoxy or C_1 - C_4 acyloxy or R' and R'' taken together form an oxo, methano, or hydroxyimino group;

 R_6 , R_{10} , R_{11} , R_{12} , R_{13} each independently represent hydrogen, a lower alkyl having 1-4 carbons, halogen, nitro OR_7 , SR_7 , NR_7R_8 or $(CF)_nCF_3$, and exist only if the Z, Z', Z", Z'", or Z"" from which it originates is C, or each independently represent hydrogen or a lower alkyl having 1-4 carbons if the Z, Z', Z", Z'", or Z"" from which it originates is N, and where one of R_6 , R_{10} , R_{11} , R_{12} or R_{13} is X;

 R_7 represents hydrogen or a lower alkyl having 1-6 carbons; R_8 represents hydrogen or a lower alkyl having 1-6 carbons;

R, represents a lower alkyl having 1-4 carbons, phenyl, aromatic alkyl, or q-hydroxyphenyl, q-bromophenyl, q-chlorophenyl, q-florophenyl, or q-iodophenyl, where q=2-4;

B

a

 R_{14} represents hydrogen, a lower alkyl having 1-4 carbons, oxo, hydroxy acyl having 1-4 carbons, halogen, thiol, or thicketone;

R₁₇ represents hydrogen, lower alkyl having 1-8 carbons, alkenyl (including halogen, acyl, OR, and SR, substituted alkenes), R₉, alkyl carboxylic acid (including halogen, acyl, OR, and SR, substituted alkyls), alkenyl carboxylic acid (including halogen, acyl, OR, and SR, substituted alkenes), alkyl amines (including halogen, acyl, OR, and SR, substituted alkyls), and alkenyl amines (including halogen, acryl, OR, and SR, substituted alkyls); and alkenyl amines (including halogen, acryl, OR, and SR, substituted alkenes);

X is COOH, tetrazole, PO₃H, SO₃H, CHO, CH₂OH, CONH₂, COSH, COOR₉, COSR₉, CONHR₉, or COOW where W is a pharmaceutically acceptable salt, and where X can originate from any C or N on the ring, provided, however, that X cannot be COOH, CHO, CH₂OH, CONH₂, COOR₉, CONHR₉, or COOW where W is a pharmaceutically acceptable salt when X originates from a C in the 2 or 6 position on the ring;

Z, Z', Z", Z"' and Z"", each independently, represent C, S, O, N, or a pharmaceutically acceptable salt, but is not O or S if attached by a double bond to another such Z or if attached to another such Z which is O or S, and is not N if attached by a single bond to another such Z which is N;

n = 0-3; and

the dashed lines in the second and seventh structures shown depict optional double bonds.

ar t

PATENT 203/268

Respectfully submitted,

Dated: November 4, 1994

Hope E. Melville Reg. No. 34,874

LYON & LYON 633 West Fifth Street, Suite 4700 Los Angeles, California 90071-2066 (213) 489-1600